

SR1 log 9 Dec

2407 SR1 started. Noticed deeper cu to west through a break in the clouds. Small echo ~40dBz at 3.1deg to SSE approx 15km away.

2430 Very brief drizzle at site

SR1 log 10 Dec

Cooler air moving over area. Models have had a quick Friday night and a larger Saturday night system with a little trailer behind Sat wave. Looked like more PW with the overnight Saturday event

0000 Echos just to SW of site and to SSE. Strong wind gusts, carrying the occasional drop of moisture.

0030 Steve takes over

erratic southwest winds 20-30 mph

0120 stratiform echo 30 – 40 dBZ aloft developing.

0140 RB; light-mod rain at site; 30-40 dBZ echo; slightly stronger aloft.

0150 most rain to south; some over eastern end of burn

blockage 250-270 deg up to 6 deg; blocked to 9-10 deg 220-250 deg

0155 50 + dBZ to south; strong gusts 30+ mph

0158 earliest file is at 20:56

0200 55+ dBZ to south; can begin to see 40-50 dbz in small wedge at 5 deg; cells moving to NE

0209 main cells 5 km SW – SE; still light-mod rain at site

0213 stronger cells forming to wswest; 45 dBZ 7 km 8 deg;

0215 larger drops at site w/45-50 dBZ

max range to south 42 km; can see echoes to 35 km to the west because of blockage

0200 light rain at site; 30 dBZ

0224 cells over eastern burn weakening

0250 cells nearly gone everywhere

guesstimate .1-.2 " of rain for this first event

ftp'ed data

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0320 new cells forming over eastern burn to the west-sw 10 km

340 R- at site

truck engine stopped display, display came back after turning it off

0348 R

0350 45 dBZ on peaks to the west; cells not very strong or deep; good cell to south 5 km and div signatures aloft with this cell

0356 R & strong gusts; nice div aloft to west; 50 dBZ SW 5 km; 45-50 dBZ at site

0413 very strong cells w-sw 5 km

0415 likely > .5 " over parts of east burn so far

0417 R- and truck rocking with these cells moving over site

420 rain increasing; 40 dBZ at site; large portion of burn w/echo

0430 glad I'm not down there fishing

0435 gusts >40 mph

0440 still 50 dBZ on peaks to west; may have had >1" so far

0441 strongest gust so far

**velocity data show terrain effects; fairly stratiform rain w/definite BB effects all night; should use 40-50 dBZ for rain rates, not BB values of 55-60 dBZ**

0520 no change

0538 interesting BB perturbation on terrain 12 deg SW 5 km

0600 tapering off over burn

0650 only a few weak echoes to the east of burn

0708 few cells forming to west and south 35 km – amounted to nothing

0738 nothing over burn area; one cell nw 35 km

0810 one cell to NW

1000 great stars, mostly clear some mid-high clouds, large canine-type animal occasionally crossing in front of gate to radar

1205 ftp'd data